

DCC-10 Demand Charge Controller for Electric Vehicles

ENGLISH



Models	Breaker	Main power supply							
	EV charger	60A	70A	80A	90A	100A	125A	150A	200A
DCC-10-30A	30A	✓	✓	✓	✓	✓	✓	✓	✓
DCC-10-40A	40A	✗	✗	✓	✓	✓	✓	✓	✓
DCC-10-50A	50A	✗	✗	✗	✗	✓	✓	✓	✓
DCC-10-60A	60A	✗	✗	✗	✗	✗	✓	✓	✓
Voltage and wiring		240/208V AC single phase: L1, L2, Neutral, Ground.							
Frequency		50 to 60 Hz							
Operation temperature		-22°F to 113°F (-30°C to 45°C)							
		Dimensions* (H" x W" x D")				Total weight*			
		11" x 11" x 4.5"				12 lb (5,44 kg)			
NEMA 3R enclosure	14" x 13" x 8"				14 lb (6,35 kg)				
*Approximative and can change without notice.									

DCC-10, manufactured by Thermolec, is an Energy Management System specifically designed to allow the connection of an EV Charger to a panel that is at full capacity and would otherwise need a service upgrade.

OPERATION

- Real-time reading of the total power consumption of the home's electrical panel;
- Detects when total power consumption exceeds 80% of main circuit breaker capacity and temporarily de-energize the EV Charger;
- Automatically re-energize the EV Charger when the total power consumption of the electrical panel is less than 80% of its capacity for more than 15 minutes.
- Requires one double pole breaker slot available in a panel.

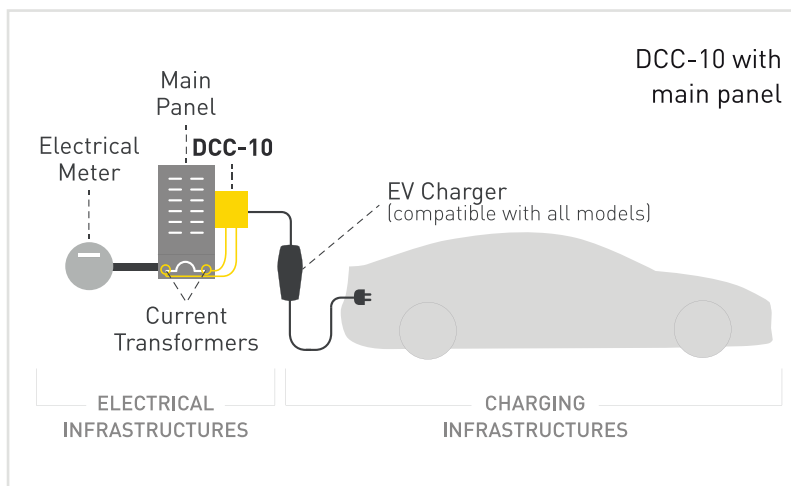
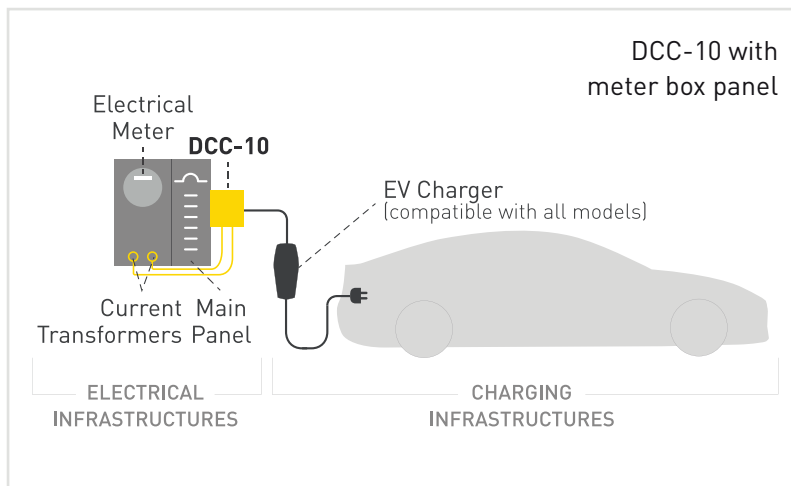
FEATURES

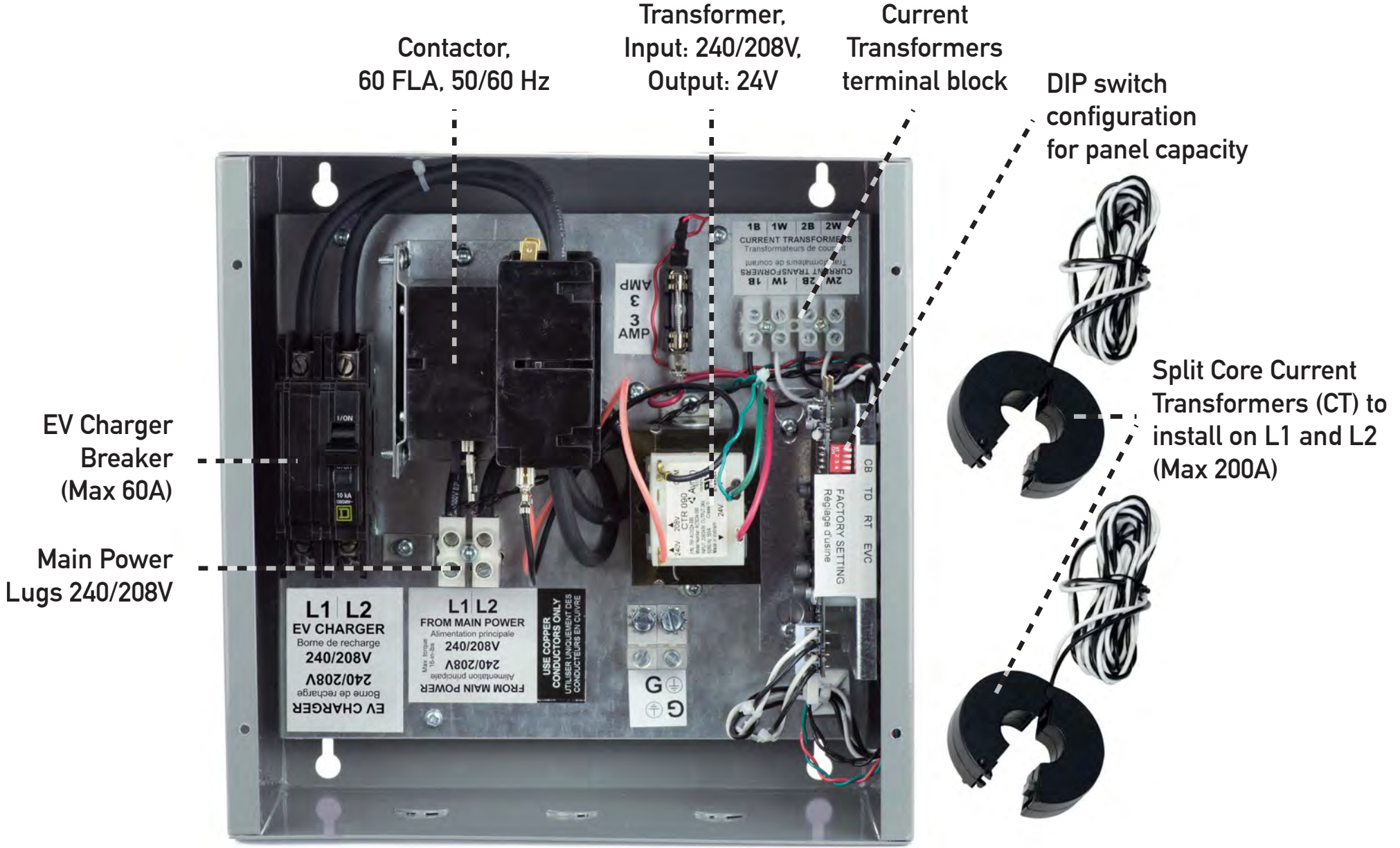
- Does not affect load calculation of a panel.
- Automatic billing of electricity by the utility (for condo installation).
- Can be wall or ceiling mounted.
- NEMA 3R enclosure available for outdoor installation.

INCLUDED

- Charge Controller
- EV Charger Breaker (Max 60A)
- 2 split core current transformers (CT)

INSTALLATION EXAMPLES





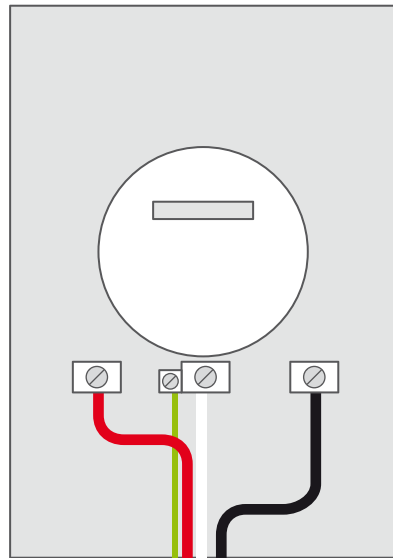
DCC-10

with

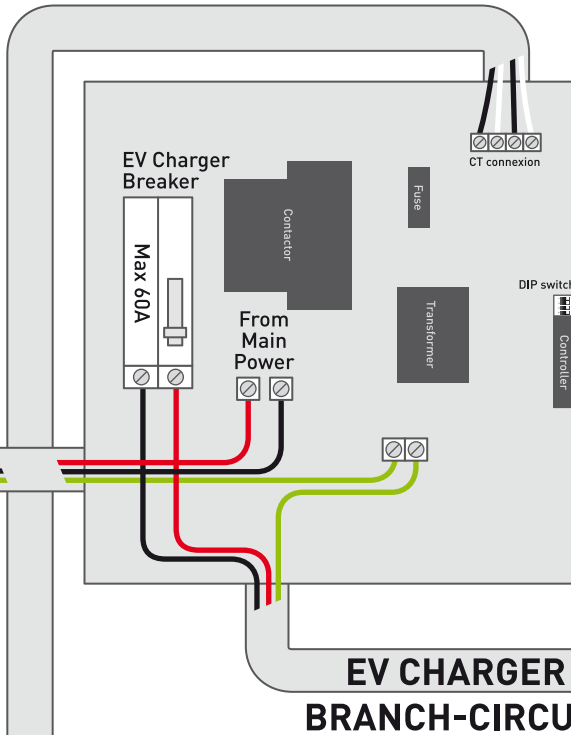
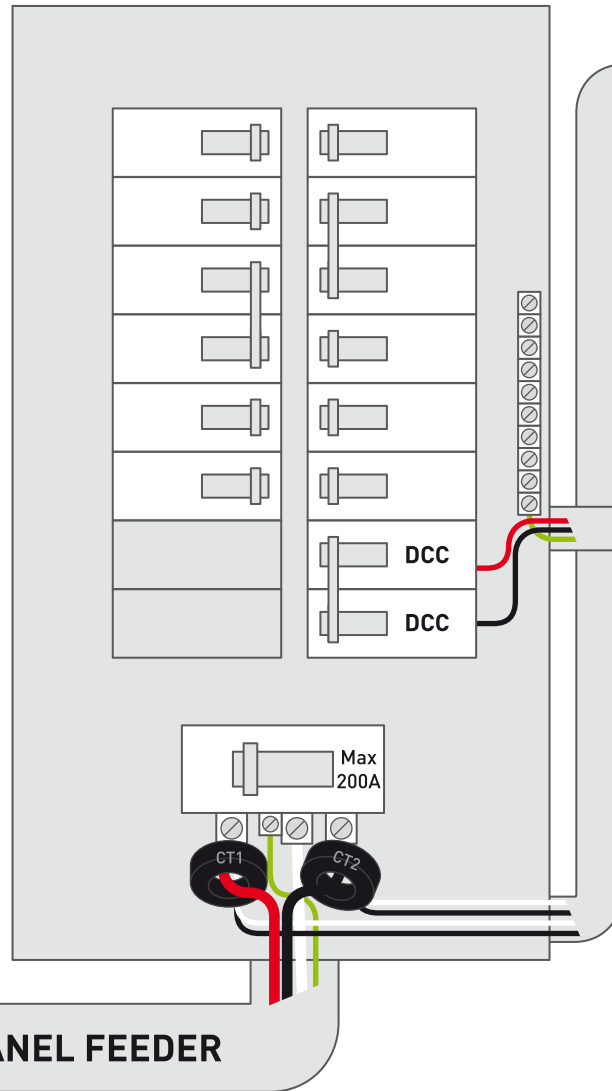
MAIN PANEL

MAIN PANEL

METER 120/240V



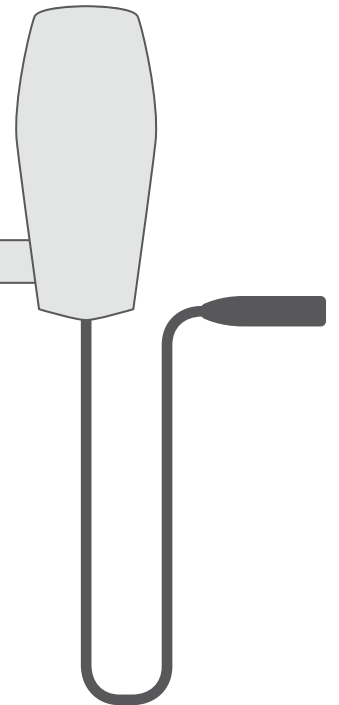
MAIN PANEL FEEDER



**EV CHARGER
BRANCH-CIRCUIT**

DCC-10

**CHARGE
CONTROLLER
240/208V,
MAX 200A**

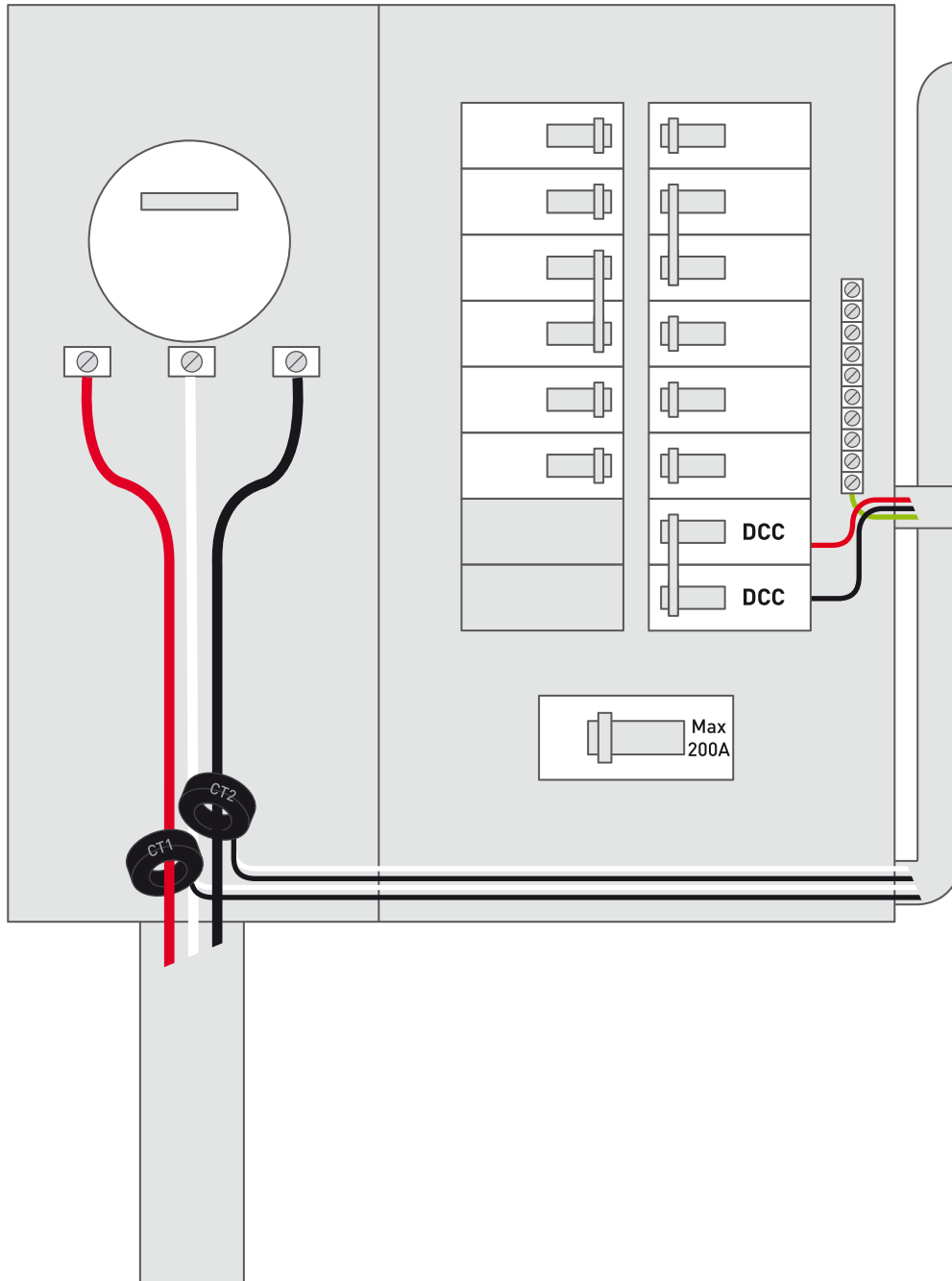


DCC-10

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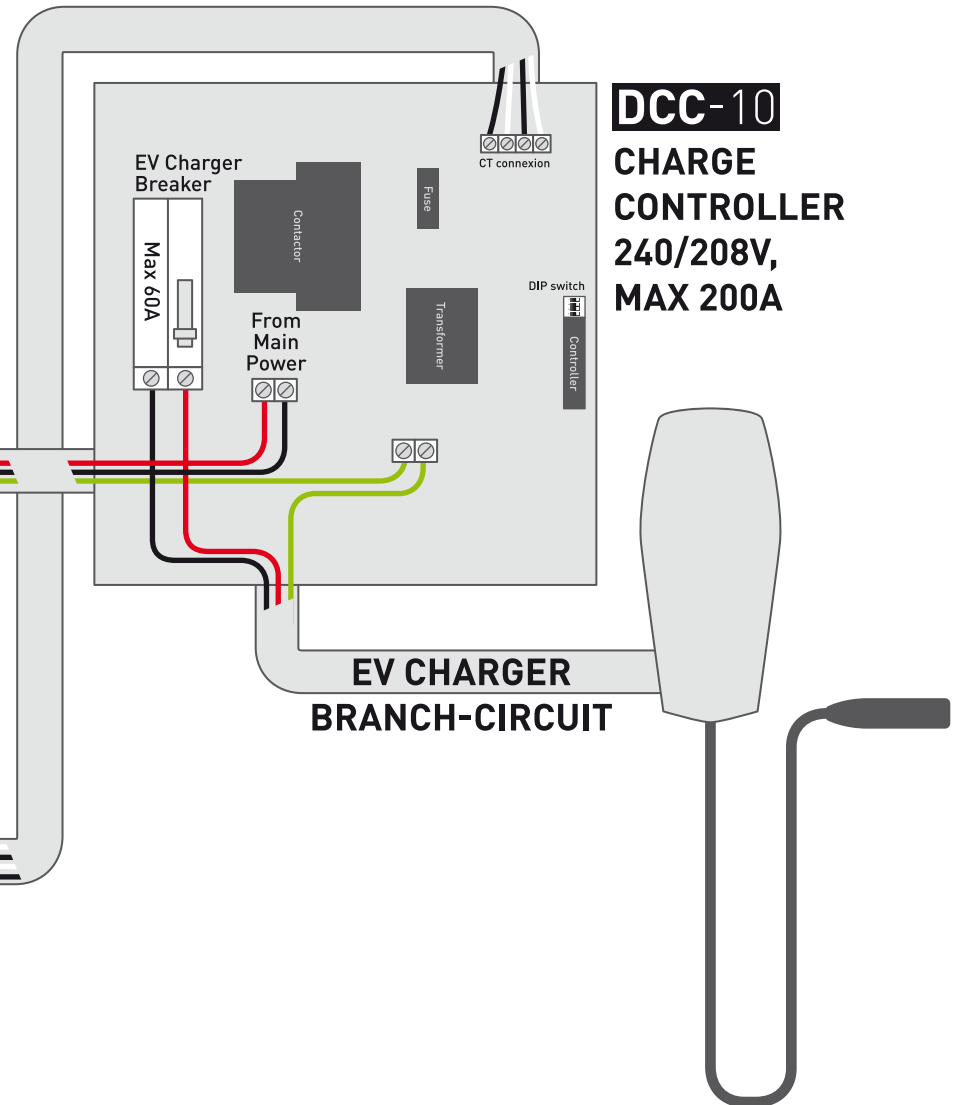
METER BOX PANEL

METER BOX PANEL 120/240V



DCC-10

**CHARGE
CONTROLLER
240/208V,
MAX 200A**

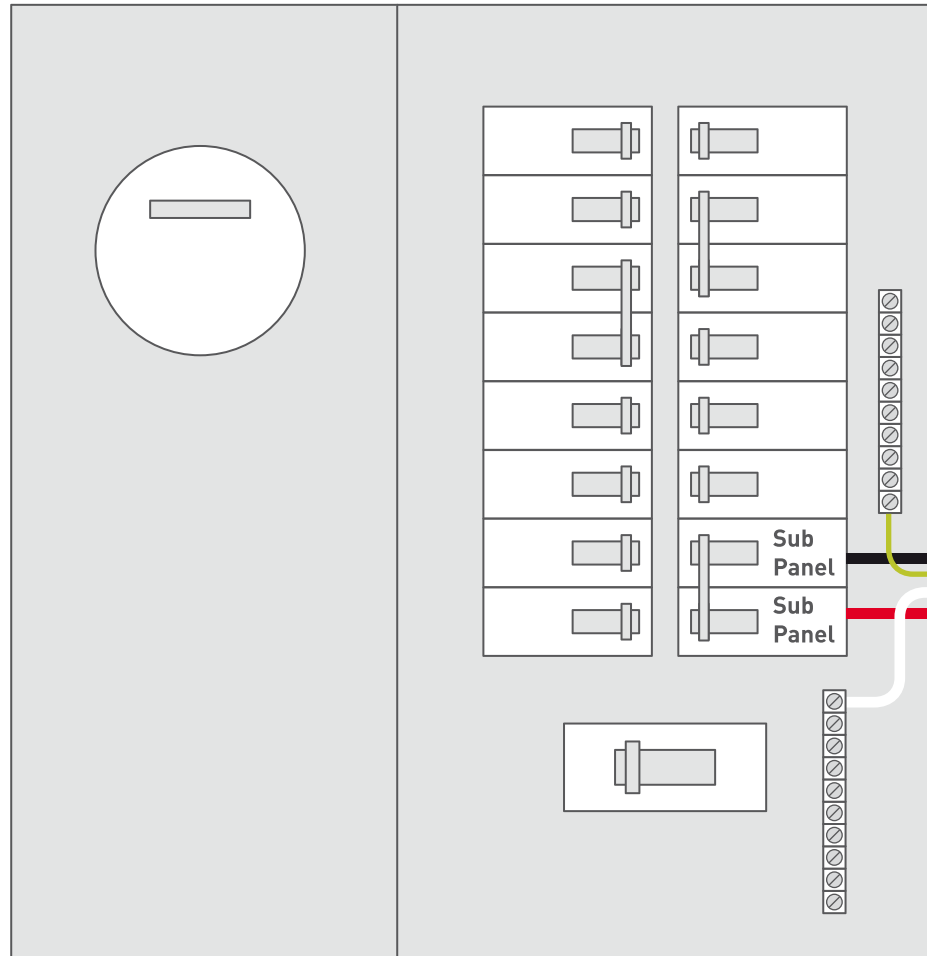


DCC-10

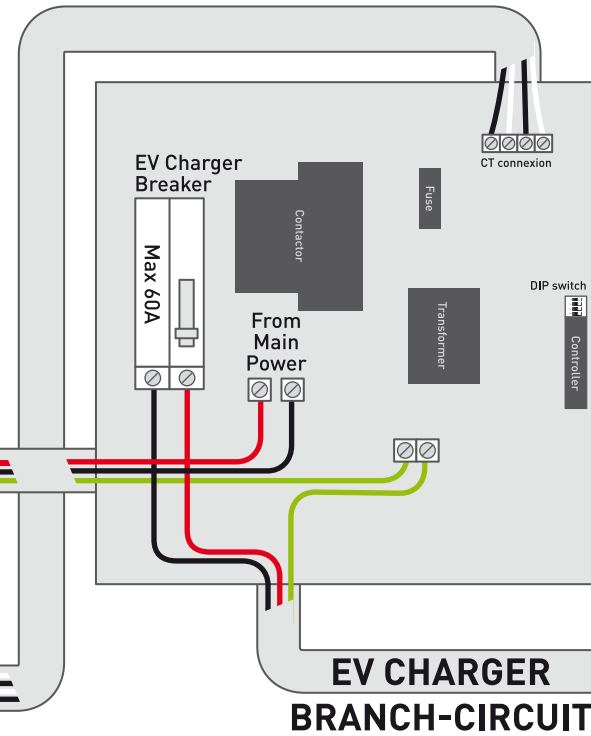
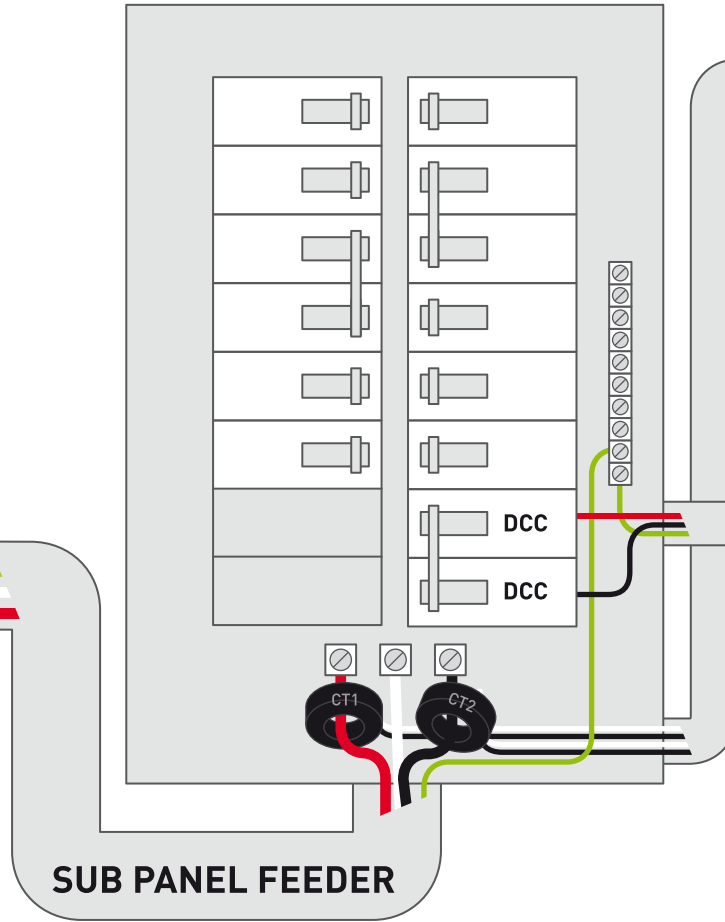
with

SUB PANEL

METER BOX PANEL 120/240V



SUB PANEL



DCC-10
CHARGE
CONTROLLER
240/208V,
MAX 200A

